Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	01/10/2017 11:00 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/29/2016 03:45 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124373	-1	1.72	124242	1.69
Blue	F	SSC	125000	123509	-2	3.31	123873	3.21
Blue	E	FITC	22946	22184	-4	2.38	991	10.12
Blue	D	PE	28770	28299	-2	1.95	1016	9.29
Blue	B	PerCP-Cy5-5	51099	49992	-3	3.37	1435	16.03
Blue	A	PE-Cy7	42312	41562	-2	5.04	644	34.17
Red	C	APC	52169	51319	-2	2.85	2949	9.38
Red	A	APC-Cy7	56705	55558	-3	2.85	1152	11.04
Violet	B	V450	14708	13956	-6	5.22	666	9.44
Violet	A	V500	58608	57190	-3	5.06	2541	7.19

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19401	5.65	602	4	N/A	N/A	Pass
Blue	F	SSC	61456	1.58	531	13	N/A	N/A	Pass
Blue	E	FITC	110	37.51	535	4	0.0209	81	Pass
Blue	D	PE	221	27.52	533	7	0.1776	229	Pass
Blue	B	PerCP-Cy5-5	224	42.99	627	5	0.0114	113	Pass
Blue	A	PE-Cy7	71	112.57	675	4	0.0128	13	Pass
Red	C	APC	347	27.00	591	1	0.0209	53	Pass
Red	A	APC-Cy7	127	40.07	575	-1	0.0059	1840	Pass
Violet	B	V450	81	41.51	466	7	0.0500	2015	Pass
Violet	A	V500	185	22.86	496	8	0.0150	507	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.42	-30.87	0.82
Blue	20.34	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.33
Red	17.36	13.27 - 19.91	N/A	N/A	31.10	31.43	1.15

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 9901

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments